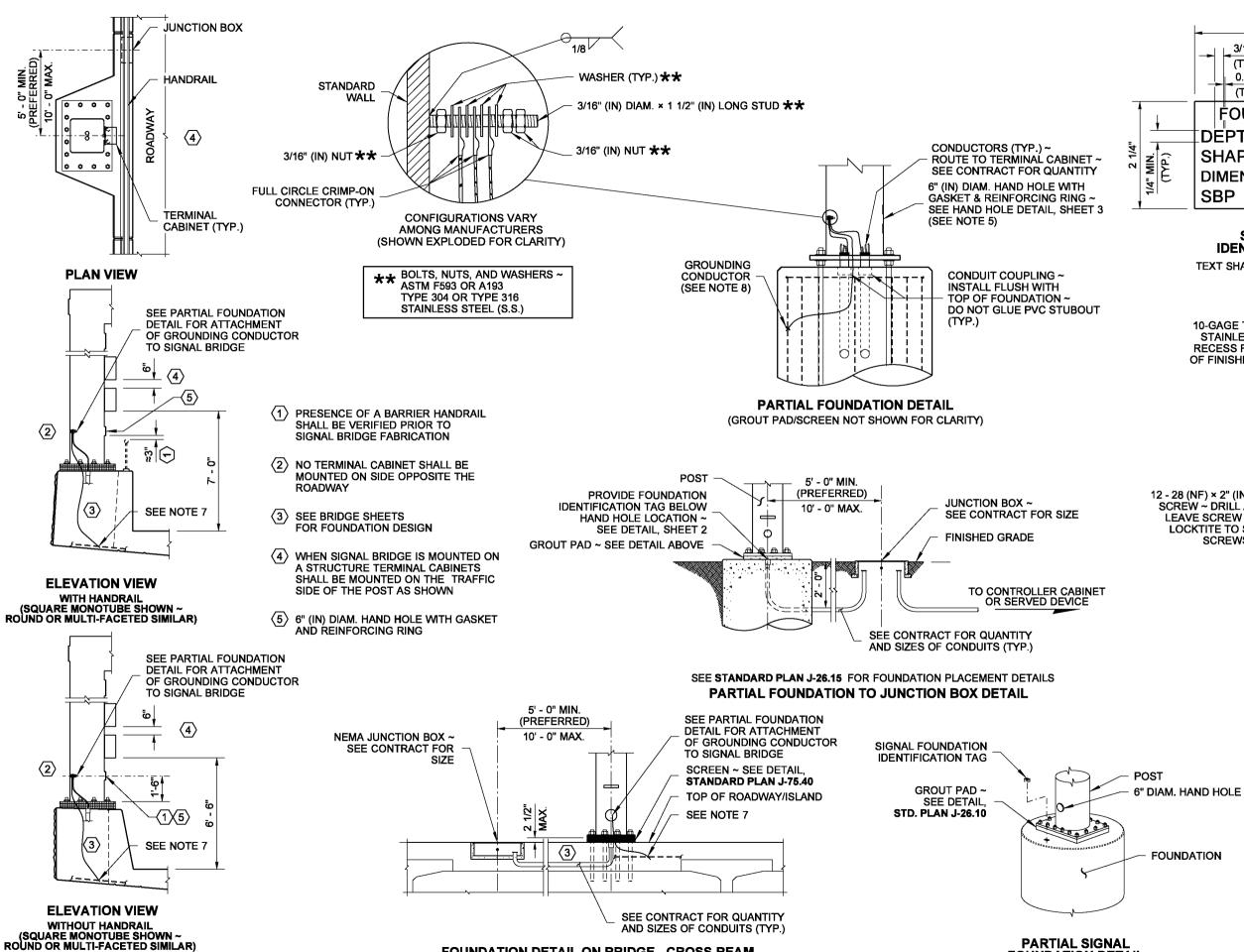


DESIGN CRITERIA

ELEVATION VIEW

SIGNAL BRIDGE SHALL BE DESIGNED AND ANALYZED IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATION FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRE AND TRAFFIC SIGNAL - FIFTH EDITION - DATED 2009 AND INTERIMS. USING BASIC WIND SPEED OF 90 MPH AND 50 YEARS OF DESIGN LIFE. FATIGUE DESIGN OF THE STRUCTURE CONFORMS TO FATIGUE CATEGORY I OF THE SPECIFIED AASHTO STANDARD SPECIFICATION.

APPROVED FOR PUBLICATION STATE DESIGN ENGINEER DATE Washington State Department of Transportation



BERENS

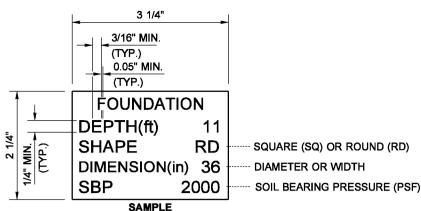
BILL

SIGNAL BRIDGE HAND HOLE

PLACEMENT ON STANDARD

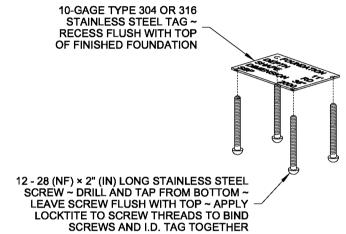
FOUNDATION DETAIL ON BRIDGE - CROSS BEAM (NO FOUNDATION ALLOWED ON BRIDGE DECK)

PARTIAL SIGNAL FOUNDATION DETAIL (ROUND OR MULTI-FACETED SHOWN ~ SQUARE MONOTUBE SIMILAR)

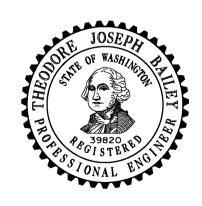


SIGNAL FOUNDATION IDENTIFICATION TAG DETAIL

TEXT SHALL BE ENGRAVED 0.014" (IN) DEEP

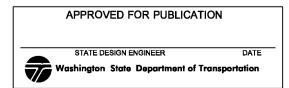


IDENTIFICATION TAG DETAIL



SIGNAL BRIDGE STANDARD ELECTRICAL DETAILS STANDARD PLAN J-75.41-00

SHEET 2 OF 4 SHEETS

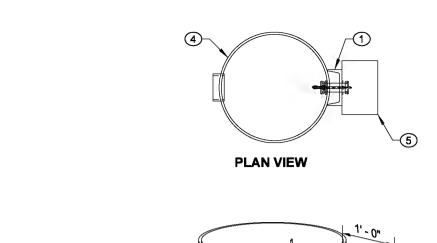


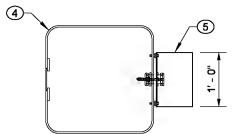
6" (IN) x 11" (IN) HAND HOLE W/GASKET & REINF. RING

CENTERED OPPOSITE NEMA TERMINAL CABINET (TYP.)

PULLING GRIP ~ SIZE TO SECURE CONDUCTORS

(SEE NOTE 5)





TERMINAL CABINET MOUNTING ~ 3/8" (IN) DIAM. × 1 1/2" (IN) BOLT **PLAN VIEW** WITH WASHER ** DRILL AND TAP POLE TO ACCEPT

1/4" (IN) GAP WITH 1/4" (IN) THICK NYLON BUSHING WASHER FOR SPACER ~ FOUR LOCATIONS

2" (IN) DIAM. NIPPLE WITH THREADED CONDUIT AND LOCK NUT (TYP.)

J-HOOK PULLING GRIP ~ SIZE TO SECURE CONDUCTORS 6" (IN) x 11" (IN) HAND HOLE W/ GASKÉT & REINF. RING CENTERED OPPOSITE NEMA TERMINAL CABINET (TYP.) (SEE NOTE 5) NEMA 3R STAINLESS STEEL TERMINAL CABINET "a" ~ SEE STANDARD SPEC. 9-29.25 ~

MULTI-SIDED (ROUND) TERMINAL CABINET MOUNTING DETAIL

SQUARE TUBE SHOWN. FOR MULTI-SIDED (ROUND) MONOTUBE STRUCTURE ~
ATTACH TERMINAL CABINET AS DETAILED PER MULTI-SIDED (ROUND) TERMINAL CABINET MOUNTING DETAIL

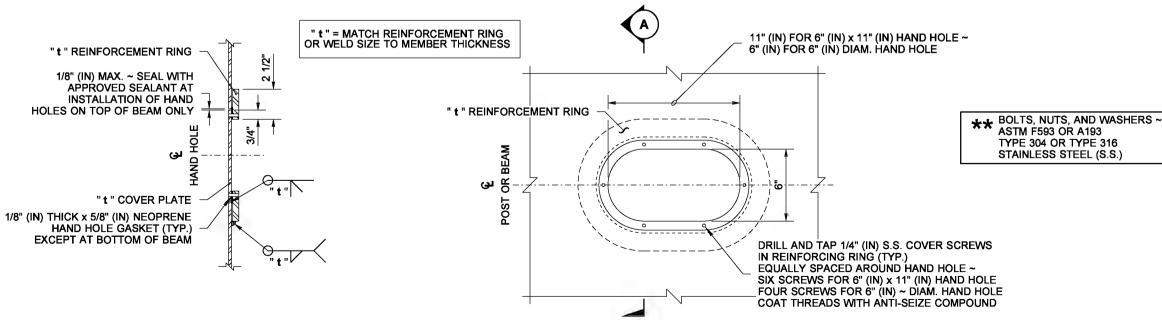
NEMA 3R STAINLESS STEEL

TERMINAL CABINET "a" ~ SEE

STANDARD SPECIFICATION 9-29.25

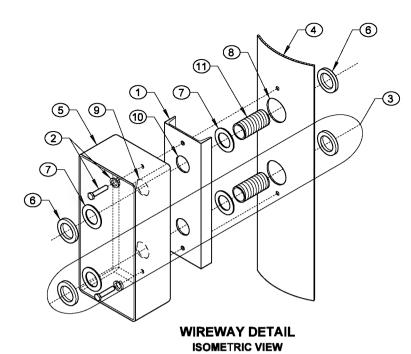
SECTION @ TERMINAL CABINET

SQUARE MONOTUBE CABINET MOUNTING DETAIL



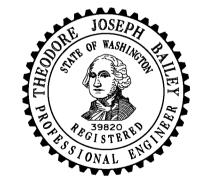
SEE CABINET MOUNTING DETAIL

AND WIREWAY DETAIL, THIS SHEET



KEY NOTES

- 1) 6 × 8.2 LB/FT CHANNEL ~ HOT-DIP GALVANIZED
- 2 TWO EACH:
 - 1/2-13 NC × 2 1/2" (IN) HEX HEAD BOLT ★★
 - LOCK WASHERS (DRILL AND TAP POLE TO ACCEPT) ★★
- 3 WIREWAY (SEE DETAIL THIS SHEET)
- 4 METAL POST
- 5 CABINET
- 6 END BUSHING (TYP.)
- SEALING LOCKNUT (TYP.)
- (8) POLE WALL DRILLED SO BUSHING WILL PASS THROUGH (TYP.)
- 9 CABINET WITH BACK WALL DRILLED 1/8" (IN) OVERSIZE OF NIPPLE (TYP.)
- (10) CHANNEL DRILLED 1/8" (IN) OVERSIZE OF NIPPLE (TYP.)
- 11) 2" (IN) DIAM. × 4" (IN) NIPPLE (UNLESS OTHERWISE NOTED) (TYP.)



SIGNAL BRIDGE STANDARD **ELECTRICAL DETAILS** STANDARD PLAN J-75.41-00

SHEET 3 OF 4 SHEETS

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6" (IN) x 11" (IN) HAND HOLE SHOWN 6" (IN) DIAM. HAND HOLE SIMILAR EXCEPT AS SHOWN

BEAM HAND HOLE DETAIL

